



The City of Raleigh

Stormwater Management Advisory Commission

June 1, 2017
3:00 pm

Conference Room 305
Raleigh Municipal Building

Commission Members Present: Vanessa Fleischmann, Francine Durso, David Webb, Marion Deerhake, Mark Senior, Ken Carper, Chris Bostic and Evan Kane

Commission Members Absent: Matthew Starr and Kevin Yates

Staff Members Present: Blair Hinkle, Suzette Mitchell, Kelly Daniel, Dale Hyatt, Carrie Mitchell, Veronica High, Michael Atkinson, Kristin Freeman, Lauren Witherspoon, Scott Bryant, Justin Harcum, George Anagnostopoulos, and Kevin Boyer

Guests: Everett Gupton, Chris Stanley, Mike Wayts, Amit Sachan, Deborah Hart-Serafini, and Jonathan Henderson

Meeting called to order at 3:03 pm by Vanessa Fleischmann (*vice chair*)

1. Welcome, Introductions, Excused Absences

- **Ms. Fleischmann** made a motion to excuse **Matthew Starr** and **Kevin Yates** from today's meeting, and both **Mr. Webb** and **Ms. Deerhake** seconded. The motion was passed unanimously.

2. Approval of the Minutes – May 4, 2017 Meeting

- **Ms. Deerhake** referenced that the last paragraph on page three, item six, reads as "evaluates vulnerable area sinkholes," and requested that the wording change to say "evaluate for areas vulnerable for sinkholes".

Blair Hinkle communicated to the Commission that they can adopt the minutes subject to the change and he will send out a revised version.

Ms. Durso made a motion to approve and **Mr. Senior** seconded. The motion was approved unanimously.

3. Stormwater Staff Report (Blair Hinkle)

- *GI/LID – A month ago the text changes were presented to the Planning Commission's Text Change Committee. Staff provided a brief introduction to the Committee. The Committee of the whole Planning Commission has been scheduled on June 14 at 4:30 pm in Room 237 of the Raleigh Municipal Building.*
- *July FY18 Work Plan – Blair will reach out via email to the Commission for input on the work plan.*
- *City Council Agenda Process – The City of Raleigh is transitioning from the regular agenda process to an automated online system called "BoardDocs". In addition, the software also will be used for Raleigh City Council committees, commissions, and appointed boards. More information to follow.*

- Summer issue of Urban Watershed – *Included in the agenda packet.*
- Internal Promotions – *Promotions within the Stormwater Management Division include Construction Projects Coordinator (Michael Atkinson) and Senior Stormwater Inspector (George Anagnostopoulos).*

4. **Stormwater Quality Cost Share Projects – 2909 Oneida Ct.**

Kevin Boyer informed the Commission of the cost share project being presented for review. The project includes installing a 200-square-foot rain garden to collect rooftop runoff from 900 square feet of impervious surface, located in the Big Branch watershed. The petitioner has agreed to annual reporting and a 10-year maintenance term.

2909 Oneida Ct	
Stormwater/City Contribution (75%)	\$3,357
Petitioner Contribution (25%)	\$1,119
Total	\$4,476

Mr. Kane asked how staff arrived at the project cost. **Kevin Boyer** replied that the petitioner proposes it and staff evaluates the program's policy and determines what is reasonable. The cost also can include Engineer's cost.

Ms. Durso wanted to know how much of this is draining in the cistern and what the water will be used for. **Ms. Hart-Serafini** (*property owner*) replied that it's roughly the same. She said it has a front and back angle roof and the entire back goes in the cistern. The front area will be routed into the rain garden so it will collect all of that runoff and it will be developed as an edible garden.

The Commission commended the property owner on going above and beyond by putting in a rain garden. **Ms. Hart-Serafini** commented that it's a good program and she's working on telling others about it.

Motion:

Mr. Bostic made a motion to approve the project and **Mr. Senior** and **Mr. Carper** seconded. The motion was approved unanimously.

5. **Summary of Possible Updates for the Stormwater Utility Fee Crediting Program**

Scott Bryant presented updates from the feedback that the Commission provided on this program. There are six key recommendations for consideration. Staff would like to finalize the details and ultimately send the program's policy enhancements to City Council as recommended by the Commission.

Proposed Recommendations

1. Lower the cap on total available stormwater utility fee credits from 85 percent to 50 percent. This would include lowering the cap on structural stormwater control credits from 50 percent to 40 percent, and reducing the cap on the National Pollutant Discharge Elimination System (NPDES) credits from 35 percent to 10 percent.

***SMAC concurred with this recommendation.**

Motion:

Mr. Senior made a motion to approve as written, and **Mr. Carper** seconded. The motion was passed unanimously.

2. Maintain the City's established policy of making fee credits available for performance and controls that exceed minimum development requirements.

***SMAC concurred with this recommendation.**

Motion:

Mr. Senior made a motion to approve as drafted and **Mr. Bostic** seconded. The motion was passed unanimously.

3. Transition from fee credits based solely upon peak discharge control to a balanced offering of performance-based credits for peak control, volume control, and/or water quality control.

The chart provides a comparison between the current credits schedule with the proposed credits schedule.

	Existing Fee Credits	Proposed Fee Credits (DRAFT ONLY)
Structural Controls		(Where performance exceeds requirements)
Peak Control		
2-yr, 24-hr	N/A	2.0%
5-yr, 24-hr	N/A	3.5%
10-yr, 24-hr	N/A	5.0%
25-yr, 24-hr	20% on-site + 30% off-site	10.0%
50-yr, 24-hr	N/A	12.5%
100-yr, 24-hr	N/A	15.0%
max.	50.0%	15.0%
Volume Control		
10% annual volume controlled	N/A	2%
25% annual volume controlled	N/A	4%
50% annual volume controlled	N/A	8%
75% annual volume controlled	N/A	12%
95%+ annual volume controlled	N/A	15%
max.	N/A	15%
Water Quality/Pollutant Control		
Varies by SCM, examples:		(Applied only to impervious area treated)
Green Roof	N/A	10.0%
Bioretention	N/A	9.4%
Sand filter	N/A	9.0%
Rainwater harvesting	N/A	8.5%
Infiltration	N/A	8.4%
Wet Pond	N/A	8.4%
Stormwater Wetland	N/A	8.4%
Permeable Pavement	N/A	8.4%
Other approved SCMs	N/A	varies
max.	N/A	10%
Non-Structural Controls		
NPDES permit	35%	10%
Other approved non-structural	N/A	up to 10%
max.	35%	10%
Total Credit Program Max.	85%	50%

***SMAC concurred with this recommendation.**

Motion:

Ms. Durso made a motion to accept staff recommendation in revising the credit framework and **Mr. Senior** seconded. The motion was passed unanimously.

4. In terms of fee crediting for Single-Family Residential (SFR) properties:
 - a. Continue to review and develop options for a comprehensive SFR fee crediting program for future consideration; and
 - b. Extend credit opportunities to SFR properties that implement permanent, structural stormwater controls on the same performance basis as the new overall crediting framework proposed herein.

*** SMAC concurred with these recommendations for SFR properties.**

Motion:

Mr. Senior made a motion to approve and both **Mr. Bostic** and **Mr. Kane** seconded. The motion was passed unanimously.

5. Based upon creditable performance that exceeds development compliance requirements, allow fee crediting for approved structural stormwater control measures that are constructed through the City's Stormwater Quality Cost Share (SWQCS) Program.

* SMAC did not concur with the full extent of the staff recommendation to make fee credits available immediately for projects that are constructed through the City's SWQCS Program. However, SMAC suggested an alternative that projects constructed through SWQCS funding could be eligible to receive credits after the 10-year maintenance commitment is satisfied.

Motion:

Mr. Kane made a motion to approve with a caveat of no double dipping, at least during the 10-year maintenance term. **Mr. Senior** mentioned that since he is an owner of a water quality device he will abstain in voting and **Mr. Carper** seconded. The motion passed.

6. Strongly promote the revised stormwater utility fee crediting program to increase public awareness and community participation in stormwater management.

***SMAC concurred with this recommendation.**

Motion:

Ms. Deerhake made a motion to approve and **Mr. Kane** seconded. The motion was passed unanimously.

6. **Brentwood Today Project Update**

Carrie Mitchell presented to the Commission an update on the Brentwood Today Stream Stabilization project. The presentation overview consisted of the location of the project, the history, the proposed stream stabilization, project access points, and the project schedule.

Mr. Carper asked how you transition from the lakebed to the stream. **Carrie Mitchell** replied that the project does not include the lakebed. **Blair Hinkle** added instead of restoring the dam we are starting the project with a grade control structure at the top end.

Ms. Fleischmann asked if the City is doing this with or without the property owner's participation. **Carrie Mitchell** replied that what staff is proposing will stabilize the stream, and whatever the owner does will not impact the work we are doing. **Veronica High** added the property owner has shown interest in allowing us to stabilize that area. He just doesn't want us to touch the majority of the lake because he may have some potential new development opportunities. He's not allowing permanent easements but temporary ones to allow us to do what we need to do.

7. **Drainage Assistance Program FY2017 Recap**

Dale Hyatt provided an update on how this program has been performing in FY17. The presentation overview consisted of a completed projects map, an on-call construction summary, featured projects, FY17 additional completed projects, FY17 SMAC approved projects, FY17 approved locations, project delivery, growth in qualified projects, pending projects, and the 10-year CIP Plan.

Ms. Deerhake referenced the presentation slide (744 Catawba St.) showing grass, she asked if there are no buffer requirements and is it subject to fertilizer runoff. **Dale Hyatt** replied that we put in the grass as well as the planting as part of the restoration of the bank stabilization.

Depending on the stream, buffer rules do apply and we do have to get permitting from the State to meet buffer requirements. All of our projects require some types of re-vegetation on the banks.

Mr. Carper commented on how well the bank stabilization looks and asked if the general contractor does that work or if a specialty stream contractor does it. **Dale Hyatt** answered typically it is the contractor's crew doing the bank stabilization.

Ms. Deerhake asked if each project has a projected life span and are funds available for the Stormwater Management Division to monitor and maintain adequate funding. **Blair Hinkle** explained that one of the policy changes made at the beginning of the fiscal year was the adoption of the stormwater system through the donation of public drainage easements. One of the expectations for new projects moving forward is the City's responsibility for large maintenance activities associated with those projects. It protects the investment and allows the City the right of access to maintain the infrastructure, so if we continue to do the maintenance, the lifespan of these is indefinite from the property owners prospective. The challenge is we didn't make those changes until the start of this fiscal year on those projects that were completed prior to the policy change. They are in private drainage easements or none at all and we do not expect the City to continually maintain those improvements. For new projects under the new policy, we have the expectation and the legal right to maintain them. For older projects we do the improvements and trust the infrastructure is built solidly to withstand some period of time, and/or the property owner will provide some level of maintenance to continue with private drainage infrastructure on their property.

8. **Other Business**

Ms. Fleischmann reminded the Commission there would not be a meeting in July, but the next meeting will be on August 3. **Ms. Durso** noted that she would not be in attendance for that meeting. The Commission approved her absence.

Adjournment: **Ms. Fleischman** made a motion to adjourn and **Ms. Durso** seconded. The meeting adjourned at 5:09 pm.

Suzette Mitchell